

Supplementary Table 2:

Small molecules/Growth Factor	Stock concentration	Final amount used, μl/ml of medium	Source, cat #
VPA (V)	250mM	2	Sigma,P4543
CHIR (C)	12mM	0.4	Cayman, 13122
RepSox (R)	20mM	0.1	Cayman, 14794
Forskolin (F)	50mM	0.2	Cayman,11018
IWR1 (I)	10mM	1	Sigma, 10161
Sonic Hedgehog (Shh)	2.5 μ M	1.2	R D System,1314sh
Taurine (T)	100mM	1	Sigma, T0625
Retinoic Acid (R)	1mM	1	Sigma, R2615
Noggin	20 μ g/ml		PeptoTech, 120-10C
IGF1	200ng/ μ l		PproTech,100-11
bFGF	50ng/ml		PeptoTech, 100-18B
N2			Gibco, 175-044
B27			Gem21 Neuroplex (w/o vitA), 400-161